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# भारत का राजपत्र

## The Gazette of India

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No. 27] NEW DELHI, SATURDAY, JULY 5, 1986 (ASADHA 14, 1908)

इस भाग में मिश्र पृष्ठ संख्या दी जाती है जिससे कि यह असग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 5th July 1986

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## CORRIGENDUM

(1)

1. In the Gazette of India, Part III, Section 2, dated 25-1-1986 under the heading "Complete Specification Accepted" on page 45, column 2—

(i) in respect of Patent Application No. 100/BOM/1983 for name of the applicant read "HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

(2)

In the Gazette of India, Part III, Section 2 dated 05-01-85 under the heading "Alteration of Date" at page 3, Column 1.

Please delete :—

"145720 Anet dated to 16th October 1975."  
(2435/Cal/75)

(3)

In the Gazette of India, Part III, Section 2 dated the 2nd November, 1985 under the heading 'PATENTS SEALED' delete 154300.

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

28th May, 1986

399/Cal/86. O & K Orenstein & Koppel Aktiengesellschaft. Movable hopper band carriage.

29th May, 1986

400/Cal/86. Abir Kumar Sarkar. A novel power transmission system and vehicles based on the same.

30th May, 1986

401/Cal/86. Siemens Aktiengesellschaft. Hinged labeling panel.

402/Cal/86. E. I. Du Pont De Nemours and Company. Method for imparting antimicrobial activity from acrylics.

403/Cal/86. Voith Turbo GmbH & Co. Kg. Hydraulic Coupling.

404/Cal/86. Ametek, Inc. Synergistically stabilized mixed form halogenated and/or interhalogenated resins for disinfecting water.

405/Cal/86. Daniel L Mcpeak. Rice bran processing apparatus.

2nd June, 1986

406/Cal/86. J. F. (Frank) Angelo II. A furnace afterburner.

407/Cal/86. Officine Roncaglia S.p.A. Screening device for granular materials such as grain and the like.

408/Cal/86. Klaus Schonert. Jigging method and apparatus for gravity separation in the fine and finest particle size range.

409/Cal/86. OEE Corporation. Method and apparatus for fragmenting a substance by the discharge of pulsed electrical energy.

410/Cal/86. Propane Carburetion systems, Inc. Carburetor for gaseous fuel.

3rd June, 1986

411/Cal/86. Sri Usha Ranjan Chakraborty Anti-Cancer (Cure Cancer).

412/Cal/86. Tara Chand Bunka. Improvements in or relating to means for fixing and holding electrolytic capacitor in electronic equipments, the device being called "Snapper Capacitor Holder".

413/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to temperature stable self-protected thyristor and method of producing.

## COMPLETE SPECIFICATION ACCEPTED

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CLASS : 126-D; 131-A<sub>2</sub>

157830

Int. Cl. : E 21 b 3/00, 5/00.

## APPARATUS FOR DETECTING THE STUCK POINT OF A CONDUIT IN A BOREHOLE.

Applicant : SCHI UMBERGER LIMITED OF 277 PARK AVENUE NEW YORK, N. Y. 10172, UNITED STATES OF AMERICA.

Inventor : 1. JEAN-MICHEL HACHE.

Application No. 1484/Cal/81 filed December 31, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

Apparatus for detecting the stuck point of a conduit in a borehole, comprising :

a body adapted to be suspended from a cable and having two parts movably mounted with respect to each other each part being adapted to be anchored inside the conduit by a control from the surface;

means for detecting relative movements between said parts when the conduit is deformed by applying stresses from the surface; and

biasing means in the body member normally applying to said parts of the body member a longitudinal biasing force which loads them toward each other;

disconnectable linking means for linking the biasing means longitudinally to a first of said parts of the body member; so that the biasing force is applied to said first part; and

driving means in the body member for uncoupling the linking means from the first part of the body when said parts are anchored inside the conduit in order to eliminate the application of the biasing force to said first part when detecting relative movements between said parts.

Compl. specn. 18 pages.

Drg. 2 sheets.

CLASS : 32-B; 88-B+F

157831

Int. Cl. : B 01 d 47/00, 53/00, C 07 d 1/00.

AN ISOTHERMAL ABSORPTION RECOVERY PROCESS OF ETHYLENE OXIDE FROM ETHYLENE OXIDE PRODUCTION PLANT.

Applicant : SNAMPROGETTI S.p.A., OF CORSO VENEZIA 16, MILAN ITALY.

Inventors : 1. VINCENZO LAGNA, 2. VIRGINIO CAVALLANTI.

Application No. 179/Cal/82 filed February 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims

An isothermal absorption recovery process of ethylene oxide contained in the gas in an ethylene oxide production plant, characterised in that the gas is firstly cooled to a temperature of between 5 and 60°C, and is then fed at a pressure which can vary from 1 to 30 atm. to an isothermal film absorber such as herein described wherein the absorbing medium is water, from the bottom of which is obtained a high concentration ethylene oxide solution which is fed directly to the glycol production plant after recovering the ethylene in a manner as described herein still in solution.

Compl. specn. 10 pages.

Drg. 2 sheets.

CLASS : 70-B + 70-C<sub>8</sub>

157832

Int. Cl. : B 01 k 3/00.

A PROCESS AND AN APPARATUS FOR SEPARATING ELECTROLYSIS BATH RESIDUES ON USED ANODE UNITS.

Applicant : ALUMINIUM PECHINEY, OF 28, RUE DE BONNEL, 69003 LYON, FRANCE.

Inventors : 1. MARCEL BRUN, 2. ANDRE PERRET, 3. CLAUDE CALLEUX.

Application No. 699/Cal/82 filed June 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims

A process for separating electrolysis bath residues on used anode units removed from electrolysis cells for the production of aluminium by the Hall-Heroult process, said units comprising a carbon residue or "butt" in which are sealed studs interconnected by flanges welded to a suspension rod, the axes of the studs being parallel to the axis of the suspension rod and said bath residues comprising alumina and crust of solidified electrolytic bath, comprising the steps of

- fixing the anode unit by means of an articulated pliers (16)
- displacing a rotary milling cutter, of which the axis of rotation in working position is substantially parallel

to the axis of the rod, in such a way that the milling cutter passes through the space located between the studs and around the studs, and limited by the upper face of the carbon butt on the one hand and by the lower part of the flanges on the other hand

- eliminating substantially all the bath residues from said anode unit
- reclaiming separately the bath residues and the carbon butt with the suspension rods.

Compl. specn. 12 pages.

Drg. 4 sheets.

CLASS : 65-A<sub>2</sub>, 3

157833

Int. Cl. : H 02 m 7/00.

#### IMPROVED POWER INVERTER.

Applicants : 1. TOCCO INC., OF SAND MOUNTAIN INDUSTRIAL PARK, BOAZ, MARSHALL COUNTY, ALABAMA 35957, U. S. A.

Inventors : 1 SHASHI BHUSHAN DEWAN, 2. GRAHAM ROSS ADAMS.

Application No. 715/Cal/82 filed June 19, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 42 Claims

An improved power inverter for converting a direct current (C.C.) current into alternating current (A.C.) having a frequency controlled by the rate at which a series of gating signals are created, said inverter including control means for selectively energizing said power inverter, a first branch to be connected across a load, a second branch to be connected across said load, first switching means for applying a voltage of a first polarity across said load by said first branch, second switching means for applying a voltage of a second polarity across said load by said second branch and means for alternately operating said first and second switching means by said series of gating signals, the improvement comprising : a starting inverter having a D.C. input and an A.C. output with frequency controlled by a series of repeating gating commands, means for selectively applying said A.C. output across said load until a preselected condition exists and means responsive to the existence of said condition for energizing said power inverter.

Compl. specn. 35 pages.

Drg. 3 sheets.

CLASS : 144-E<sub>8</sub>

157834

Int. Cl. : C 09 c 3/00.

#### A PROCESS FOR PREPARING NACREOUS PIGMENTS HAVING IMPROVED LIGHT-FASTNESS.

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, 6100 DARMSTADT, FRANKFURTER STRAHE 250, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. DR. HORST BERNHARD.

Application No. 762/Cal/82 filed June 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

Process for preparing nacreous pigments having improved light-fastness and based on mica particles coated with titanium dioxide with or without additional oxides, as herein described, characterized in that a mica pigment coated with titanium dioxide with or without other oxide is further coated with a thin layer of a sparingly soluble chromium (III) compound by methods as herein described and then calcined at a temperature of 500 to 1,000°C., so as to convert preferably substantially all the chromium ions into chromium titanate.

Compl. specn. 17 pages.

Drg. Nil.

CLASS : 85-G

157835

Int. Cl. : F 27 b 9/20.

**AN IMPROVED MECHANIZED ROLLING BATCH TYPE FURNACE FOR HEAT TREATMENT OF CYLINDRICAL OBJECTS.****Applicant :** TORSTEEL RESEARCH FOUNDATION IN INDIA, OF 4, GOVERNMENT PLACE NORTH, CALCUTTA-700 001, WEST BENGAL, INDIA.**Inventors :** 1. BHAKTI PRIYA DEB ROY, 2. SUNIL CHANDRA SANYAL.

Application No. 875/Cal/82 filed July 28, 1982.

Complete Specification left on 24th October, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**14 Claims**

An improved mechanized rolling batch type furnace for heat treatment of cylindrical object, comprising a substantially rectangular covered furnace body (10) of relatively simple design, small dimensions and low energy consumption and cost of construction and maintenance, a plurality of heat sources (20, 21, 23) and a rocker trolley (80) for feeding said cylindrical charges (60, 65) within said furnace, said heat sources being located on the wall (28) or at the roof (30) of said rectangular furnace body, said furnace being provided with at least one intake door (105) for said cylindrical charges, said rocker trolley (80) slidably mounted on a rail (90) and a plurality of transport fingers (50, 52, 54) perpendicularly mounted on said trolley (80) which move within parallel longitudinal slots provided in a charging platform (100) forming the hearth of said furnace.

Provisional specn. 6 pages.

Drg. 1 Sheet.

Compl. specn. 10 pages.

Drg. Nil.

CLASS : 70-B

157836

Int. Cl. : B 01 k 3/02.

**A PROCESS FOR MAKING A LOW-HYDROGEN OVERVOLTAGE CATHODE FOR A CHLORALKALI CELL.****Applicant :** E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.**Inventor :** 1. HOMI CAWAS BHEDWAR.

Application No. 933/Cal/83 filed July 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**10 Claims**

Process for making a low-hydrogen-overvoltage cathode for a chloralkali cell, which comprises:

- (a) plasma spraying a coating of a nickel/aluminium alloy composition containing 56 to 59% by wt. nickel and 41 to 44% by weight of aluminium onto a porous substrate of iron, ferrous alloy, nickel alloy, and
- (b) leaching aluminum from said coating by contacting the article prepared in step (a) with a caustic solution.

Compl. specn. 20 pages.

Drg. Nil.

CLASS : 40-B

157837

Int. Cl. : B 01 j 11/20.

**A PROCESS FOR PREPARING A SUPPORTED SILVER CATALYST.****Applicant :** UNION CARBIDE CORPORATION, AT OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT (06817), UNITED STATES OF AMERICA.**Inventors :** 1. GLENN HOMER WARNER, 2. MADAN MOHAN BHASIN, 3. BERNARD LIEBERMAN.

Application No. 1148/Cal/82 filed October 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims**

A process for preparing a supported silver catalyst for the production of ethylene oxide by the vapor phase oxidation of ethylene with an oxygen-containing gas comprising:

- (a) impregnating a porous catalyst support with a solution comprising more than 30 per cent by volume of a solvent or a solubilizing agent as herein described and silver salt in an amount sufficient to deposit a predetermined amount of silver on said support;
- (b) heating the impregnated support to convert at least a fraction of the silver salt to silver metal and effect deposition of silver on the surface of said support;
- (c) impregnating the support treated in step (b) with a solution containing at least 28.5 per cent by volume, of an organic solvent capable of forming a complex with silver ion and selected from the group consisting of alkyl amines, alkylene diamines, amino alcohols, amino ethers and amides and at least one compound containing an alkali metal promoter; and
- (d) heating the impregnated support produced in step (c) to effect deposition of said promoter on the surface of said support.

Compl. specn. 29 pages.

Drg. Nil.

CLASS : 187-H

157838

Int. Cl. : H 04 b 3/18.

**A COMMUNICATION SYSTEM.****Applicant :** JEUMONT-SCHNEIDER, OF 31-32, QUAI DE DION BOUTON, 92811 PUTEAUX CEDEX, FRANCE.**Inventor :** 1. JEAN PICANDET.

Application No. 1482/Cal/82 filed December 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims**

A communications system of the type which comprises a main station (10), at least one local station (12), a line (14) which connects said main station and said local station and which includes a pair of wires for providing direct power supply current to said local station (12) from said main station (10), at least one current generator [(40, K44), (100, K102)] connected to said line (14) at one of said stations for introducing digital signals to said line (14), and at least one detector (80, 110) connected to said line (14) at the other of said stations for detecting digital signals transmitted along the line (14), characterized in that the current generator [(40, K44), (100, K102)] comprises means for transmitting groups of unipolar current impulses along the line (14) which change the voltage between the wires of the line without substantially reducing the power supply voltage between said wires, and the detector (80, 110) comprises means for detecting changes in line voltage.

Compl. specn. 20 pages.

Drg. 3 sheets.

CLASS : 134-D

157839

Int. Cl. : B 62 d 7/00.

## RACK AND PINION STEERING GEAR.

Applicant : ARTHUR ERNEST BISHOP, OF 17 BURTON STREET, MOSMAN, NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA.

Inventors : 1. ARTHUR ERNEST BISHOP, 2. KLAUS JUERGEN ROESKE.

Application No. 1458/Cal/82 filed December 17, 1982.

Convention dated 17th December 1981 (PF 1985/81) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A rack and pinion steering gear employing a helical pinion journaled in a housing, a rack having a toothed end and a plain end, axially slideable in said housing in two bearings, one bearing at one end of the housing journaling the plain end of the rack and the bearing at the other end of the housing comprising a spring loaded pad on the side of the rack opposite the teeth and positioned opposite the pinion, the rack having at least two zones along its axis, one on each side of the centre of the toothed end of the rack of teeth having tooth gaps of varying height as hereinbefore defined providing a variation of slack-free mesh centre distance between the pinion and the rack, the maximum mesh centre distance occurring in the mid-travel position of the rack and lesser mesh centre distances occurring at position, the tooth gaps in either said zone being of varying heights along their lengths and the heights of all those parts of said tooth gaps that engage the pinion in any position of travel of the rack in either said zone being equal.

Compl. specn. 15 pages.

Drg. 5 sheets.

CLASS : 12-C &amp; D

157840

Int. Cl. : C 21 d 1/20, 1/22, 9/52.

PROCESS FOR MAKING HIGH STRENGTH HIGH DUCTILITY LOW CARBON, DUAL-PHASE STEEL PRODUCT.

Applicant : THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, OF 2490 CHANNING WAY BERKELEY, CALIFORNIA 94720, UNITED STATES OF AMERICA.

Inventors : 1. GARETH THOMAS, 2. ALVIN H. NAKAGAWA.

Application No. 117/Cal/83 filed February 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

A process for making high strength, high ductility, low carbon dual-phase steel product such as wire, rods or bars having a tensile strength of at least 120 KSI, comprising the steps of subjecting a steel composition such as hereinbefore described to a conventional treatment such as continuous annealing, batch annealing or hot rolling to provide low carbon dual-phase steel composition characterised by a micro-structure consisting essentially of a strong second phase comprising martensite, bainite and/or retained austenite dispersed in a soft ferrite matrix and a microstructure and morphology having sufficient cold formability of allow reductions in cross-sectional area of upto about 99.9%; and cold drawing said resulting steel composition to the desired parameters in a single multipass operation.

Compl. specn. 17 pages.

Drg. 3 sheets.

CLASS : 89 J; 127 I and 195 C

157841

Int. Cl. : F 16C 1/00, 3/00 and F 16K 21/00.

"A VALVE MECHANISM FOR ATTACHMENT TO A VESSEL WALL FOR CONTROLLING METAL FLOW FROM AN OUTLET OF THE VESSEL."

Applicant : USS ENGINEERS AND CONSULTANTS, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, DOING BUSINESS AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : WILLIAM BATEJKENNETH, WILLIAM ALBERT GRIFFITHS AND NORMRA HENRY WATTS.

Application for Patent No. 343/Del/82 filed on 30th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 3 Claims

A valve mechanism for attachment to a vessel wall for controlling metal flow from an outlet of the vessel, comprising on orificed stationary valve plate for surrounding the vessel outlet, a slidable valve plate for covering or exposing the stationary valve plate orifice to close or open the vessel outlet to flow, an elongated actuating lever for moving the slidable valve plate pivotally connected at one end thereto and extending obliquely outwardly therefrom, a pair of oscillatable links pivotally connected to one to the actuating lever and having means at the other end for connection to the vessel wall and one of the links being connected to the end of the actuating lever opposite to the end of the actuating lever connected to the slidable valve plate, said link including springs for continuously biasing the connected end of the actuating lever outwardly from the vessel wall to impart a spring bias between the slidable valve plate and the stationary valve plate.

Compl. specn. 17 pages

Drg. Four sheets

CLASS : 101E &amp; 126A

157842

Int. Cl. : G 01 f 1/00, G 01 p 3/52, 3/66 &amp; 3/70.

APPARATUS FOR DETERMINING THE FLOW VELOCITY OF A MOLTEN, RADIATION-EMITTING MATERIAL.

Applicant : GULLFIBER AB, A SWEDISH JOINT-STOCK COMPANY, OF S-260 50 BILLESHOLM, SWEDEN.

Inventor : ANDERS P. RANSHEIM, ARNE THOMSEN AND PER HOLMGREN.

Application for Patent No. 450/Del/1982 filed on 15th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

An apparatus for measuring the flow velocity of a flow, stream or jet of a molten radiation emitting material comprising :

- (a) two radiation detectors arranged to receive radiation emitted from a limited section of the material flow at two different locations spaced apart by a predetermined distance along the flow path of the material flow and to produce an electric output signal each corresponding to the intensity of said received radiation.
- (b) for each radiation detector a signal-processing circuit for discriminating from the output signal of said radiation detector only such pulse-like amplitude variations which exceed a predetermined magnitude and to produce corresponding signal pulses on its output.
- (c) a time measuring circuit having a start input connected to the output of the signal-processing circuit associated with the upstream detector for receiving signal pulses therefrom, a stop input

connected to the output of the signal-processing circuit associated with the downstream detector for receiving signal pulses therefrom, and an output, for providing on said output successive values representing respective measured time intervals between a signal pulse received on said start input and a subsequent signal pulse received on said stop input;

- (d) a grating circuit inserted between the start input of said time-measuring circuit and the output of the signal-processing circuit associated with the upstream detector for allowing through only such signal pulses on the output of said amplifier which are preceded by a predetermined period of time during which no such signal pulses have appeared on the output of the amplifier, said predetermined period of time being selected to exceed the maximum expected time of travel of said material flow over said predetermined distance, and
- (e) a calculating unit connected to the output of said time-measuring circuit for receiving the successive values appearing on said output, each representing a said measured time interval, and for using said values as a measure of the travel time of the material flow over said predetermined distance for calculating the flow velocity of the material flow.

Compl. specn. 19 pages.

Drg. 2 sheets.

CLASS : 136 I&E

157843

Int. Cl. : B 29 g 7/00.

#### METHOD AND APPARATUS FOR THE PRODUCTION OF CONTAINERS FROM PLASTIC MATERIAL.

Applicant : ANTOINE DI SETTEMBRINI, OF LE LUBRIER, 84480 BONNIEUX, FRANCE, A FRENCH CITIZEN.

Inventor : ANTOINE DI SETTEMBRINI.

Application for Patent No. 455/Del/1982 filed on 16th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 11 Claims

A method for the production of containers such as bottles or the like from plastic material capable of being extruded and blow-molded which comprises vertically extruding said plastic material at a temperature of approximately 180°C to form a tubular parison, blow-molding said parison in a mold equipped with cooling means to form a substantially tubular preform being cooled to one end, at least the outer surface of said preform being cooled to a temperature in the range of 140°C., subjecting the resulting preform to a predetermined rate of cooling by passing said preform in succession through a series of temperature regulating zones, each of said zones being adapted to supply to outer surface of said preform a predetermined degree of radiated heat, said heat being radiated in relation to an estimated temperature gradient for the thickness of the walls of said preform whereby the preform on leaving said temperature regulating zones has a uniformly cooler temperature of approximately 118°C throughout the thickness of its walls and the blow-molding said uniformly cooled and tempered preform into the shape of the desired container.

Compl. specn. 18 pages.

Drg. 5 sheets.

CLASS : 110

157844

Int. Cl. : D 04 b 15/00 and G 06 f 15/46.

#### MINI KNITTING COMPUTER ISSUING KNITTING INSTRUCTIONS.

Applicant : SUPERBA S.A., OF 12, RUE DE PFASTATT MULHOUSE, (HAUT RHIN) FRANCE, A FRENCH COMPANY.

Inventor : ALFRED GLOECKLER.

Application for Patent No. 458/Del/1982 filed on 17th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### 5 Claims

A mini knitting computer for issuing knitting instructions, row by row, which are intended for a user, such as an automatic household knitting machine control device or for a knitter using a manual machine or merely knitting needles, to communicate to it or to that person instructions relating to a knitted article, such as the number of stitches per row, and the number of stitches to cast on or off and the increased or decreased, the computer comprising :

a calculating unit connected to a memory containing a fixed processing programme and a memory for receiving a fixed data  $M(L_1 \dots L_j)$  relating to a standard model and variable data  $N(X, Y, Z)$  relating to the execution of a special model derived from the standard model;

means indicating the introduction of data and the progress of the programme also connected to said calculating unit;

a means comprising a keyboard connected to said calculating unit wherein at least some of the keys of said keyboard (E, C, O, 1...9) have a dual function, namely a numerical function and a control function, the numerical function allowing the introducing of the fixed and variable data (M, N) and the control function allowing the introduction of commands, the switching from the numerical function to the control function being made automatically by the calculating unit at the end of the introduction of the data (M, N);

a means enabling modification of the programme steps (such as advance step by step, jump, automatic advance) as well as the list of fixed data corresponding to the code of the standard model, to be made;

said means enabling modification of the programme connected to said calculating unit, a means for the optical display of operations and data connected to said calculating unit; and

a detecting means connected to said calculating unit, said detecting means comprising a sensor which automatically detects completion of a knitted row to advance the programme to the next row and wherein there is, in parallel with this detecting means, a manual control for advancing the programme to the next row which is part of the keyboard.

Compl. specn. 13 pages.

Drg. 2 sheets.

CLASS : 24 D4

157845

Int. Cl. : F 16d 51/24 and B 60t 15/00.

#### "A VEHICLE FLUID PRESSURE BRAKING SYSTEM".

Applicant : BFNDIX LIMITED, OF DOUGLAS ROAD, KINGSWOOD, BRISTOL BS15 2NL, ENGLAND, A BRITISH COMPANY.

Inventors : ROGER CHARLES HALLETT AND BARRY AGGETT.

Application for Patent No. 462/Del/1982 filed on 21st June, 1982.

Convention dated 26th June, 1981/8119778 (G.B.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 5 Claims

A vehicle fluid pressure braking system comprising first and second reservoirs connected to and for supplying respective first and second fluid pressure operable braking circuits, charging means for charging said reservoirs with fluid under pressure through respective first and second protection valves each having a respective opening pressure valve and a respective lower reclosing pressure valve said first and second protection valves connected between said charging means and said first and second reservoirs respectively, a common inlet connecting said reservoirs to an input port of a third protection valve having an output port connected to a secondary pressure operable braking circuit, third protection valve having a pressure responsive element controlled by fluid pressure at the output port and having a reclosing pressure which is appreciably lower than said second reclosing pressure valves for said respective protection valves and an outlet for pressure acting on said element through the output port, said output effecting constraint or transient air demand by the further circuit causing spurious reclosure of the third protection valve.

Compl. specn. 9 pages.

Drg. 1 sheet.

CLASS : 42A<sub>4</sub>

157846

Int. Cl. : A24c 5/14.

**DEVICE FOR BREAKING A CONTINUOUS ROD IN A MACHINE FOR MAKING CIGARETTES OR CIGARETTE FILTERS.**

Applicant : G. D. SOCIETA PER AZIONI, OF VIA POMPONIA, 10, BOLOGNA, ITALY, AN ITALIAN COMPANY.

Inventor : ENZO SERAGNOLI.

Application for Patent No. 464/Del/1982 filed on 21st June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

Device for breaking a continuous rod in a machine for making cigarettes or cigarette filters, comprising a separating element movable in-between a first position of intersection with the path of the rod and a second position external thereto, characterised in that to move the separating element in-between said first and second position an operating mechanism is provided comprising :

a helical torsion spring mounted on a shaft integral with the separating element to drive the latter alternately from one position to the other, one extremity of the said spring being connected to transmission means integral with the separating element;

loading means for loading the said torsion spring connected to the other extremity of the said helical torsion spring;

means mounted on shaft of electromagnet supported by the plate for restraining the said separating element in position corresponding to the said first and said second position;

said electromagnet controlling the said means of restrain.

Compl. specn. 15 pages.

Drg. 2 sheets.

CLASS : 128 A

157847

Int. Cl. : A 61 f 13/00.

**AN IMPROVED SURGICAL DRESSING.**

Applicant : DIRECTOR GENERAL, INDIAN COUNCIL OF MEDICAL RESEARCH, MEDICAL ENCLAVE, ANSARI NAGAR, NEW DELHI-110016, INDIA, AN INDIAN NATIONAL.

Inventor : KAMLESH KUMARI AND JAGDISH LAL GUPTA.

Application for Patent No. 468/Del/1982 filed on 23rd June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 5 Claims

An improved surgical dressing in the form of surgical cotton, gauge or bandage comprising viscose and cotton in the ratio of 50 : 50 to 70 : 30, said dressing having cotton yarns of 24s to 28s count with minimum twist per inch for a bandage.

Compl. specn. 9 pages.

CLASS : 27I &amp; 90J

157848

Int. Cl. : E04c 5/07.

**METHOD OF PRODUCING FIBER REINFORCED FLAT BODIES CONTAINING A HARDENABLE BINDER.**

Applicant : GUNTER HORST TESCH, OF AVENUE JEAN-MARIE-MUSY 15 CH-1700 FRIBOURG, SWITZERLAND, A SWISS CITIZEN.

Inventor : GUNTER HORST TESCH.

Application for Patent No. 474/Del/1982 filed on 23rd June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 30 Claims

Method of producing fibre-reinforced flat bodies containing a hardenable binder wherein a flowable unhardened core layer containing the binder is introduced between a backing layer and a cover layer characterised in that the three layers of which at least one outer layer comprises fibres which are capable of active needle bonding, are needle bonded prior to the hardening of the binder so that the layers are held together by the fibres in the deformable state whereupon the binder is converted into the hardened state.

Compl. specn. 22 pages.

Drg. 3 sheets.

CLASS : 151 E and 103

157849

Int. Cl. : B 28b 19/00 and 21/94.

**A MACHINE FOR INTERNAL AND/OR EXTERNAL SURFACE COATING OR CORE PIPES WITH CONCRETE OR CEMENT MORTAR.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : BANDARU VENKATESWARLU AND JEGANNATHAN SHANMUGASUNDARAM.

Application for Patent No. 479/Del/1982 filed on 25th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

## 7 Claims

A machine for internal and/or external surface coating of core pipes with concrete or cement mortar comprising a steel mould surrounding the pipe, the top of which is provided with collars (9) to support guides (10) and having a conical cap (12) with chutes (13) around its periphery, tamping means (23) for the compaction of the coat fixed

to the tamping rods (11) connected to the connecting rods (17) passing through the guides (31) by means of couplers (22) provided at the top of the tamping rods, the mould is placed on a turntable (2) which also supports the pipe and drive means (4, 5, 6 & 7) housed in the turntable to rotate the turntable and the pipe in a horizontal plane and move the tamping means in a vertical plane.

Compl. specn. 10 pages.

Drg. 3 sheets.

CLASS : 27 C, F & I

157850

Int. Cl. : E 04 g 11/48 and 25/04.

**A COMPOSITE MULTISECTION QUICK RELEASE CENTERING PROP FOR USE IN INSITU CONCRETE CONSTRUCTIONS.**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XX OF 1860).

Inventors : ZACHARIA GEORGE, HAMPAPUR GOPAL IYENGAR SHREENATH, ARUMUGHAM CHELLAPPAN AND NATARAJAN SETHURAMAN.

Application for Patent No. 489/Del/1982 filed on 30th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

**3 Claims**

A composite multisection quick release centering prop for use in insitu concrete constructions comprising at least two non metallic posts (1&2) of desired length, the upper end of the bottom post is fitted with a metallic sleeve (4) with holes provided in it for inserting wedges (19) in each hole, the other end is fitted with a threaded metallic sleeve (6) to which is attached an adjustable internally threaded base plate (17) to support the prop on the ground, the upper end of the top post is fitted with a hollow metallic sleeve (11) resting on a casing which is rotatably fitted on a threaded head (5) the casting being a movable nut (7) with foldable handles (9&10) to hold the sleeve at a desired height, the sleeve having a set of channels like sections (13, 14, 15 & 16) to support the horizontal joists, the lower end of the top post is fitted with a metallic sleeve with holes provided for inserting wedge in each hole, the said two posts being joined with an adjustable joint consisting of a sleeve (20) with provision for bracing (21) and provided with sets of holes for driving the wedge matching with the holes provided on the top and bottom posts.

Compl. specn. 9 pages.

Drg. 3 sheets.

CLASS : 32-F, (b)

157851

Int. Cl. : C 07 c 53/22.

**PROCESS FOR PREPARING 9, 10, 16-TRIHYDROXY-PALMITIC ACID.**

Applicant : ANGELO BROS. LIMITED, OF 7 RAM GOPAL GHOSE ROAD, COSSIPORE, CALCUTTA-700 002, WEST BENGAL, INDIA.

Inventors : 1. SRI KAJAL KUMAR DAS, 2. SRI MUKUL CHATTERJEE.

Application No. 1165/Cal/82 filed October 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta.

**7 Claims**

An improved process for preparing 9, 10, 16-trihydroxy-palmitic acid which comprises admixing Kiree and/or Molumba with boiling water containing 4-6.25% of lime, filtering the admixture, treating the filtrate after cooling

with a mineral acid till the medium becomes slightly acidic, when crude 9, 10, 16-trihydroxypalmitic acid separates out, further treating said crude acid with caustic soda solution to obtain sodium salt of aleuritic acid which is then treated with hydrochloric acid or sulphuric acid till the medium becomes slightly acidic filtering, drying and grinding the pure 9, 10, 16-trihydroxypalmitic acid thus obtained.

Compl. specn. 9 pages.

Drg. Nil.

CLASS : 187-H

157852

Int. Cl. : H 04 i 1/00.

**COMMUNICATION SYSTEM.**

Applicant : RACAL ACOUSTICS LIMITED, OF BERESFORD AVENUE, WEMBLEY, MIDDLESEX, HA9 1 RU, ENGLAND.

Inventors : 1. ANTHONY GRAHAM GORMAN, 2. PETER LEIGHTON SMITH, 3. PAUL QUENTIN BARRETT.

Application No. 1297/Cal/82 filed November 4, 1982.

Convention dated 4th November 1981 (81 33303) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**10 Claims**

A communication system providing duplex communication simultaneously between a plurality of pairs of stations on a single wire pair highway by frequency division multiplexing, wherein information is transmitted on the wire pair highway by modulation of pairs of predetermined carrier frequencies, each pair of said frequencies comprising a "go" frequency and a "return" frequency and providing a single channel for duplex communication between any selected pair of stations on the highway, and wherein only carrier frequency pairs actually in use for communication are present on the highway at any time.

Compl. Spec. 37 pages. Drgs. 5 sheets.

CLASS : 31-B; 260-E.

157853.

Int. Cl. G 10 k 11/04.

**HIGH POWER RESONANCE FILTERS.**

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. EUGENE CARL STRYCKULA, 2. DEREK ALBERT PAICE, 3. LASLO SYUGYI.

Application No. 32/Cal/83 filed January 10, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

**6 Claims**

A high power resonance filter comprising a first resonant branch having a series connected at least one capacitive element and at least one inductive element; a second resonant branch having a series connected capacitive element and inductive element; a resistive branch connected between said first and second resonant branches at a junction of two series connected capacitive elements or two series connected inductive elements or a series connected capacitive element and inductive element of the first resonant branch and at a junction of a series connected capacitive element and inductive element of the second resonant branch said first resonant branch and said second resonant branch having two common nodes to form a resonant filter network and said first resonant branch and said second resonant branch having a common junction to an A.C. power network.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 32-F<sub>3</sub> c.  
Int. Cl. C 12 c 11/00.

157854

## PROCESS FOR MANUFACTURING ETHANOL BY FERMENTATION.

Applicant : RESEARCH ASSOCIATION FOR PETROLEUM ALTERNATIVES DEVELOPMENT, 1-4-2, UCHIKANDA, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. SADAO NOGUCHI, 2. MINORU NAGASHIMA, 3. MASAKI AXUMA, 4. SATORU FURUKAWA.

Application No. 89/Cal/83 filed January 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A fermentation process for the production of ethanol which comprises culturing an immobilized ethanol-producing microorganism in a fermentation medium and recovering in a known manner the ethanol produced, wherein the microorganism is formed *in situ* in the fermentation vessel prior to the introduction thereto of the fermentation medium by initially charging to the fermentation vessel under sterile conditions a mixture comprising the living microbial cells and an aqueous solution of an alkali metal salt of alginic acid, pectic acid or pectic acid partial alkyl ester, or the sodium salt of carrageenan and adding thereto a salt of polyvalent metal thereby to form a gel comprising the microorganism, with the proviso that in the case of the solution comprising said sodium salt of carrageenan there may alternatively be used as the gelling agent a potassium salt.

Compl. Specn. 17 pages. Drg. 1 sheet.

CLASS : 9-E.  
Int. Cl. C 22 c 11/00.

157855.

## METHOD OF MANUFACTURING A LEAD BASED ALLOY.

Applicant : CHLORIDE INDIA LIMITED OF EXIDE HOUSE, 59E CHOWRINGHEE ROAD, CALCUTTA-700020 WEST BENGAL, INDIA.

Inventor : 1. SURENDRA KUMAR MITTAL.

Application No. 105/Cal/83 filed January 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

A method of manufacturing a lead based alloy containing lead, antimony, cadmium and zinc which comprises the steps of melting pure lead, adding to melt antimony in an amount of 0.1% to 0.99% at 450°C to 480°C, stirring and lowering said melt temperature between 430°C and 450°C, adding cadmium in an amount of 0.15% to 3% and finally adding zinc in an amount of 0.01% to 0.5, the balance being lead, the percentages being based on the total weight of said alloy.

Compl. Specn. 16 pages. Drg. nil.

## CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

The claims 1, 12 and 13 of the Complete Specification in respect of Patent application No. 154431 (earlier number 635/Cal/81) the acceptance of which was notified in Part III, Section 2 of the Gazette of India dated the 27th October, 1984 has been corrected under section 78(3) of the Patents Act 1970.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Patent Office.

Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Cassella Aktiengesellschaft, of Hanauer Landstrasse 526, Hanauer Landstrasse, 6000 Frankfurt/Main-61, West Germany have made an application under

section 57 of the Patents Act, 1970 for amendment of specification, of their Patent application No. 152162 for "Aqueous azo direct dyestuff formulation and a process for its preparation." The amendment are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on Form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filling the said.

#### RENEWAL FEES PAID

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 154805 154849 154851 154856 154895 154897 154951 154967  
 155242 155270 155286 155288.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 156333. Lugano Swiss Co. Pvt. Ltd., Space No. 2, 8th floor, 8, Camac Street, Calcutta-700 017, State of West Bengal, India, an Indian Company. "Nozzle". 22nd November, 1985.

Class. 1. No. 156334. Lugano Swiss Co. Pvt. Ltd., Space No. 2, 8th floor, 8, Camac Street, Calcutta-700 017, State of West Bengal, India, an Indian Company. "Nozzle". 22nd November, 1985.

Class. 1. No. 156310. Associated Engineering Works, Chivasam Road, Taduku 534 211, Andhra Pradesh, India. "Gobar Gas Stoves". 19th November, 1985.

Class. 1. No. 156362. Mahendra Owen Limited, an Indian Company duly registered under Companies Act and having its Registered Office at : 155 Bhubay Punc Road, Pimpri, Pune-411 018 Maharashtra, India. "A Dual-Wheel trailer Chassis". 2nd December, 1985.

Class. 1. No. 156375. Luxor Pen Company, a Proprietorship firm or 229, Okhla Industrial Estate, Phase-II, New Delhi-110020, India. "Ball Point Pen". 2nd December, 1985.

Class. 1. No. 156619. Champalal Bhukam Chand Jain of 162 Gohawar Agranaram Road, Madras-600 021, Tamil Nadu, India, Indian National. "Ice Cube Tray". 10th February, 1986.

Class. 3. No. 156357. Bansal Traders & Engineering Company C-7, Wazirpur Industrial Area, Delhi, India a Partnership firm. "Top Portion of a baby walker". 26th November, 1985.

Class. 3. No. 156374. Luxor Pen Company, a Proprietorship firm or 229, Okhla Industrial Estate, Phase-II, New Delhi-110020, India. "Marker Pen". 2nd December, 1985.

Class. 3. No. 156611. Wallrim International 1st floor, 114/115, Bussa Industrial Estate, Near Centuary Bazaar, Bombay 400020, Maharashtra, India, an Indian Partnership Firm. "Water Bottle". 5th February, 1986.

Class. 3. Nos. 156368, 156369, 156370, 156371, 156372, 156373. Sandip Kumar Mahansaria, an Indian national, of 8 Camac Street, 8th floor, Space 15, Calcutta-700017, State of West Bengal, India. "Ball Point Pen". 2nd December, 1985.

Class. 7. No. 156037. Raj Manufacturing Company (a registered Partnership firm) of Barar House, 20/1 Abdul Rehman Street, Bombay-400 003, Maharashtra State, "Dangler-cum-Table Calendar". 11th September, 1985.

Class. 10. No. 157030. Soham Prakash Agarwal (Indian), trading as Zebra Enterprises New Adarsh Nagar, Agra, U.P., India. "Sole for footwear". 7th May, 1986.

*Extn. of Copyright for the Second period of five years.  
No. 150592..... Class-3.*

R. A. ACHARYA,  
Controller General of Patents  
Designs and Trade Marks.